

CATALOGUE OF THE NAMES PUBLISHED BY HECTOR LÉVEILLÉ: XXI

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ABSTRACT. The species of Asiatic *Carex* described by Léveillé and Vaniot are evaluated in this the concluding part of the Catalogue. One new combination is made, *C. glareosa* Wahlb. subsp. *sorfolkensis* (Lévl. & Vant.) McKean.

INTRODUCTION

While most of the top set of the Léveillé Herbarium is housed at Edinburgh we have been aware for some time that practically all of the *Carex* specimens had not been included in the original purchase. Recently the missing *Carex* specimens including Léveillé and Vaniot's types were discovered at Paris. Most of the specimens have Kükenthal's original determination slips and many are cited in his works. The great majority of the specimens were collected in Japan and Korea by U. Faurie and many of the isotypes are located in Japan, mainly in Kyoto.

I have followed the terminology of Ohwi & Kitagawa in their *New Flora of Japan* (1983) except where there has been disagreement with T. Koyama.

A number of the more important references are listed, especially those of Léveillé and Vaniot as *Carex* was one of their specialities.

CAREX

2170. *Carex argyi* Lévl. & Vant. in Bull. Soc. Agric. Sci. Arts Sarthe 40: 78 (1905) & Cat. Pl. Yunnan 69 (1916); Kükenth. in Pflanzenr. 38 (IV, 20): 737 (1909); Wu, Cheng-yih, Ind. Fl. Yunnan. 2: 2086 (1984).

CHINA. Kiangsu, *d'Argy* s.n. (holo. *C. argyi*, probably at P, n.v.).

2171. *Carex atrata* L. subsp. *pullata* (Boott) Kükenth. in Pflanzenr. 38 (IV, 20): 400 (1909).

C. atrata L. var. *pullata* Boott, Illus. Gen. Carex 3: 114, t. 364 (1862).

C. giraudiasii Lévl. & Vant. in Fedde Rep. Sp. Nov. 12: 288 (1913); Lévl., Cat. Pl. Yunnan 76 (1916).

CHINA. Yunnan, paturâges de Ta-hai, 3200m, vii 1912, *E. E. Maire* s.n. (holo. *C. giraudiasii*, P, iso. E).

2172. *Carex augustinowiczii* Meinsh. ex Korsh. in Acta Hort. Petrop. 12: 411 (1892); Kükenth. in Pflanzenr. 38 (IV, 20): 389 (1909), pro parte quoad *Faurie* 2756; Ohwi, Cyper. Jap. 1: 312 (1936); Akiyama, Car. Far E. Reg. As. 107 (1955).

C. acrogyna Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 201 (1901), pro min. parte.

JAPAN. Riishiri, 25 vii 1899, *Faurie* 2756 (syntype *C. acrogyna*, P).

The other syntypes are *C. maculata* Boott and *C. ischnostachya* Steud.

2173. *Carex blepharicarpa* Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 46 (1895); Kükenth. in Pflanzenr. 38 (IV, 20): 468 (1909); Akiyama, Car. Far E. Reg. As. 130 (1955); Ohwi, Fl. Jap. (Engl. ed.) 235 (1965); Ohwi & Kitag., New Fl. Jap. 307 (1983).

C. hayatae Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 240 (1908).

C. sadae Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 33 (1909), p.p. excl. *Faurie* 903.

JAPAN. Nippon, vi 1905, *Faurie* 178 (holo. *C. hayatae*, P); Sachalin, in herbis Mitsuriyoka, 4 vii 1908, *Faurie* 942 (syntype *C. sadae*, P).

2174. *Carex blinii* Lévl. & Vant. in Bull. Soc. Bot. France 53: 316 (1906) & in Fedde Rep. Sp. Nov. 3: 352 (1907); Kükenth. in Pflanzenr. 38 (IV, 20): 639 (1909).

CHINA. Guizhou, Pin-Tong, 25 xii 1904, *Esquirol* 343 (syntype *C. blinii*, P? n.v.), bord du fleuve, pas commun, *Esquirol* 262 (syntype *C. blinii*, P).

2175. *Carex breviculmis* R. Br. var. *breviculmis*, Prod. Fl. Nov. Holl. 242 (1810); Ohwi, Cyper. Jap. 1: 353 (1936) & Fl. Jap. (Engl. ed.) 237 (1965).

C. breviculmis R. Br. subsp. *royleana* Nees ex Wight, Contrib. Bot. India 127 (1834); Kükenth. in Pflanzenr. 38 (IV, 20): 470 (1909).

C. leucochlora Bunge in Mém. Acad. Sci. St. Pétersb. 2: 142 (1835); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1911) & in Bot. Mag. Tokyo 48: 775 (1934); Akiyama, Car. Far E. Reg. As. 188 (1955).

C. puberula Boott in A. Gray, Narr. Exp. Perry 2: 324 (1856); Akiyama, loc. cit. 189.

C. candolleana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 273 (1901).

C. candolleana Lévl. & Vant. var. *longibracteata* Lévl. & Vant. in loc. cit.

C. candolleana Lévl. & Vant. var. *pubescens* Lévl. & Vant. in loc. cit.

C. engleriana Lévl. & Vant. in loc. cit. 274, p.p.

C. heribaudiana Lévl. & Vant. in loc. cit. 275 (1901), p.p.

C. umbrosiformis Lévl. & Vant. in Fedde Rep. Sp. Nov. 11: 33 (1912).

C. hoatiensis Lévl. & Vant. in loc. cit. 66.

JAPAN. Nara, 15 v 1899, *Faurie* 2787 (holo. *C. candolleana*, P); Ile de Shikoku, somme du mont Tsurugi, vi 1900, *Faurie* 4403 (holo. var. *longibracteata*, P); Sorachi, 12 vii 1898, *Faurie* 1711 (syntype *C. engleriana*, P); Ile de Kiushu, dans les forêts du mont Ichifusa, vi 1900, *Faurie* 4408 (holo. var. *pubescens*, P); Kamitsuge, 13 v 1899, *Faurie* 2785 (syntype *C. heribaudiana*, P).

KOREA. Quelpaert, lieux herbeux, v 1911, *Taquet* 4938 (holo. *C. umbrosiformis*, E); Quelpaert, Hoatien, 15 iv 1912, *Taquet* 6075 (holo. *C. hoatiensis*, P).

2176. *Carex breviculmis* R. Br. var. *fibrillosa* (Franch. & Sav.) Ohwi, Fl. Jap. 194 (1956).

C. fibrillosa Franch. & Sav., Enum. Pl. Jap. 2: 137, 564 (1879).

C. breviculmis R. Br. subsp. *royleana* Nees ex Wight forma *fibrillosa* (Franch. & Sav.) Kükenth. ex Matsum., Ind. Pl. Jap. 2(1): 102 (1905) & Pflanzenr. 38 (IV, 20): 470 (1909).

C. engleriana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 274 (1901), p.p. excl. *Faurie* 1711; Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1952), pro syn. sub *C. leucochlora* Bunge.

JAPAN. Ile Nippon, lieux herbeux, près de Tokiyo, v 1900, *Faurie* 4400 (syntype *C. engleriana*, P).

2177. *Carex brunnea* Thunb., Fl. Jap. 38 (1784); Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 49 (1910) & Fl. Kouy-Tchéou 133 (1914).

C. debauxii Lévl. & Vant. in Fedde Rep. Sp. Nov. 6: 264 (1909).

CHINA. Guizhou, route de Pin-fa à Tou-Yun, 9 viii 1907, *Cavalerie* 3261 (holo. *C. debauxii*, P).

2178. *Carex caryophyllea* Latour var. *micotricha* (Franch.) Kükenth. in Pflanzenr. 38 (IV, 20) 466 (1909).

C. micotricha Franch. in Nouv. Arch. Mus. Paris, sér. 3, 9: 189 (1897).

C. heribaudiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 275 (1901), p.p. excl. *Faurie* 1106, 2784.

C. wardiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 276 (1901).

C. breviculmis R. Br. subsp. *royleana* Nees ex Wight forma *wardiana* (Lévl. & Vant.) Kükenth. in Pflanzenr. 38 (IV, 20): 470 (1909).

C. sabyensis Less. var. *micotricha* (Franch.) Ohwi in Journ. Jap. Bot. 11: 410 (1935); Akiyama, Car. Far E. Reg. As. 183 (1955).

JAPAN. Rebunshiri, 1 viii 1899, *Faurie* 2779 (holo. *C. wardiana*, P); Yamakita, 8 v 1899, *Faurie* 2784 (syntype *C. heribaudiana*, P?, n.v.).

2179. *Carex cavaleriensi* Lévl. & Vant. in Fedde Rep. Sp. Nov. 3: 349 (1907) & in Bull. Acad. Géog. Bot. 20: 49 (1910).

CHINA. Guizhou, 28 iv 1905, *Cavalerie* 2331 (holo. *C. cavaleriensi*, P).

This species is closely related to *C. cardiolepis* Nees differing in the proportion of free leaf lamina to the amount of sheathing. There is only a very short free lamina in *C. cavaleriensi* whereas the sheath and lamina in *C. cardiolepis* are about equal in length. It may be better to treat *C. cavaleriensi* as a subsp. of *C. cardiolepis*.

2180. *Carex cespitosa* L., Sp. Pl. 1: 978 (1753); Akiyama, Car. Far E. Reg. As. 79 (1955); Ohwi, Fl. Jap. (Engl. ed.) 232 (1965); Ohwi & Kitag., New Fl. Jap. 301 (1983).

C. rubra Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 33 (1909); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 131 (1952).

C. cespitosa L. var. *rubra* (Lévl. & Vant.) Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 104 (1909).

SACHALIN. In turfosis Vladimirof, vi 1908, *Faurie* 892 (holo. *C. rubra*, P).

2181. *Carex chrysolepis* Franch. & Sav., Enum. Pl. Jap. 2: 144, 571 (1879); Akiyama, Car. Far E. Reg. As. 130 (1955); Ohwi, Fl. Jap. (Engl. ed.) 235 (1965); Ohwi & Kitag., New Fl. Jap. 306 (1983).

C. picea Franch. var. *asensis* Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 224 (1901); Matsum., Ind. Pl. Jap. 2(1): 125 (1905).

C. odontostoma Kükenth. var. *variegata* Kükenth. in Pflanzenr. 38 (IV, 20): 571 (1909); Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 51 (1910).

JAPAN. Aso, 20 vii 1899, *Faurie* 2844 (holo. var. *asensis*, P).

2182. *Carex dimorpholepis* Steud., Synops. 2: 214 (1855); Nakai, Bull. Nat. Sci. Mus. Tokyo 31: 129 (1952); Ohwi & Kitag., New Fl. Jap. 299 (1983).

C. cernua Boott, Illustr. Gen. Car. IV: 171 (1867), non F. J. Gmel.; Kükenth. in Pflanzenr. 38 (IV, 20): 353 (1909).

C. schkuriana Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 59 (1902).

CHINA. Guizhou, Kouy-yang, montagne du Collège à la cascades, lieux inondés, 18 v 1898, *Bodinier* 2228 (holo. *C. schkuriana*, P).

2183. *Carex dispalata* Boott ex A. Gray, Narr. Exped. Perry 2: 325 (1856); Nakai in Bot. Mag. Tokyo 48: 774 (1934); Akiyama, Car. Far E. Reg. As. 148 (1955); Ohwi, Fl. Jap. (Engl. ed.) 251 (1965); Ohwi & Kitag., New Fl. Jap. 337 (1983).

C. coronata Lévl. & Vant. in Fedde Rep. Sp. Nov. 11: 66 (1912).

KOREA. Dans les eaux à Syeken, 16 iv 1912, *Taquet* 6076 (holo. *C. coronata*, P).

2184. *Carex disperma* Dewey in Amer. Journ. Sci. 8: 266 (1824); Akiyama, Car. Far E. Reg. As. 45 (1955); Ohwi, Fl. Jap. (Engl. ed.) 224 (1965); Ohwi & Kitag., New Fl. Jap. 287 (1983).

C. nakaii Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 33 (i, 1909).

C. tenella Schkuhr var. *nakaii* (Lévl. & Vant.) Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 103 (1909).

SACHALIN. In turfosis Soriofka, 5 viii 1908, *Faurie* 869 (holo. *C. nakaii*, P).

2185. *Carex distichoidea* Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 108 (1901); Matsum., Ind. Pl. Jap. 2(1): 108 (1905); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 129 (1952), pro syn. sub *C. arenicola* Schmidt; Akiyama, Car. Far E. Reg. As. 49 (1955); Ohwi, Cyper. Jap. 1: 241 (1936) & Fl. Jap. (Engl. ed.) 224 (1965), pro syn. sub *C. lithophila* Turcz.; Ohwi & Kitag., New Fl. Jap. 288 (1983); Kükenth. in Pflanzenr. 38 (IV, 20): 135 (1909), pro syn. sub *C. intermedia* Good.

JAPAN. Asamayama, 27 vii 1897, *Faurie* 1077 (holo. *C. distichoidea*, P).

2186. *Carex doenitzii* Bockl. in Flora 65: 61 (1882); Kükenth. in Pflanzenr. 38 (IV, 20): 535 (1909); Ohwi, Cyper. Jap. 1: 306 (1936); Akiyama, Car. Far E. Reg. As. 96 (1955); T. Koyama in Phytologia 17: 397, pl. 11 (1968).

C. chrysolepis Franch. & Sav. var. *modesta* Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 279 (1901).

JAPAN. Fusi-yama, 10 vi 1898, *Faurie* 1666 (holo. var. *modesta*, P? n.v.).

2187. *Carex dominii* Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 35 (1909); Ohwi in Journ. Jap. Bot. 11: 406 (1935), Cyper. Jap. 1: 266 (1936) & in Acta Phytotax. Geobot. 11: 258 (1942); Akiyama, Car. Far E. Reg. As. 59 (1955).

C. tenella Schkuhr. var. *dominii* (Lévl. & Vant.) Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 103 (1909).

SACHALIN. Mitsuryoka, in silvis, 4 viii 1908, *Faurie* 877 (holo. *C. dominii*, P).

2188. *Carex doniana* Spreng., Syst. 3: 825 (1826); Akiyama, Car. Far E. Reg. As. 166 (1955).

C. japonica Thung. var. *chlorostachya* (Don) Kükenth. in Pflanzenr. 38 (IV, 20): 620 (1909); Lévl., Fl. Kouy-Tchéou 134 (1914).

- C. tricarinata* Lévl. & Vant. in Bull. Soc. Bot. France 53: 317 (1906) & in Fedde Rep. Sp. Nov. 3: 353 (1907).
CHINA. Guizhou, Kiao-Siang, 3 i 1905, *Esquirol* 241 (holo. *C. tricarinata*, P).

2189. *Carex drymophila* Turcz. in Bull. Soc. Nat. Mosc. 1838: 104 (1838); Kükenth. in Pflanzenr. 38 (IV, 20): 755 (1909); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 246 (1962).

C. turczaninowiana Meinsh. var. *beaurepairoei* Lévl. & Vant. in Bull. Soc. Agric. Sci. Arts Sarthe 40: 79 (1905).

CHINA. Pè-tché-ly [Hebei], d'Argy et de Père Beaurepaire s.n. (holo. var. *beaurepairoei*, P).

2190. *Carex esquiroliana* Lévl. & Vant. in Fedde Rep. Sp. Nov. 12: 506 (1913); Lévl., Fl. Kouy-Tchéou 133 (1914).

CHINA. Guizhou, grotte de Ta-Rin, 2 iii 1911, *Esquirol* 3221 (holo. *C. esquiroliana* P).

This species is closely related to *C. scaposa* C. B. Cl.

2191. *Carex esquirolii* Lévl. & Vant. in Bull. Soc. Bot. France 53: 315 (1906) & in Fedde Rep. Sp. Nov. 3: 351 (1907).

CHINA. Guizhou, route de Tchei-Siang, 3 xi 1904, *Esquirol* 314 (syntype *C. esquirolii*, P? n.v.); Lan-han, lieux marécageux, viii 1904, *Esquirol* 189 (syntype *C. esquirolii*, P? n.v.).

2192. *Carex fedia* Nees ex Wight, Contrib. Bot. Ind. 129 (1834).

C. sino-mairei Lévl. & Vant. in Fedde Rep. Sp. Nov. 11: 550 (1913).

CHINA. Yunnan, La-Kou, plaine, bord des canaux d'irrigation, 2300m, v 1910, E. E. Maire (in herb. Bonati 3621), (holo. *C. sino-mairei*, P).

2193. *Carex filipes* Franch. subsp. *oligostachys* (Meinsh. ex Maxim.) T. Koyama in Phytologia 15: 220 (1967).

C. oligostachys Meinsh. ex Maxim. in Bull. Acad. Sci. St. Pétersb. 31: 117 (1887).

C. egena Lévl. & Vant. in Fedde Rep. Sp. Nov. 4: 227 (1907); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 129 (1952); Akiyama, Car. Far E. Reg. As. 158 (1955), pro syn. sub *C. filipes* Franch.

C. filipes Franch. var. *oligostachys* (Meinsh. ex Maxim.) Kükenth. in Pflanzenr. 38 (IV, 20): 641 (1909); Ohwi, Cyper. Jap. I: 424 (1936); Kitag., Lineam. Fl. Manshur. 100 (1939).

KOREA. Mont. des diamants, 24 vi 1906, *Faurie* 1366 (holo. *C. egena*, P n.v.).

2194. *Carex foliosa* D. Don in Trans. Linn. Soc. 14: 327 (1825).

C. lebrunei Lévl. in Monde des Pl. 2, 17: 15 (1915).

CHINA. Yunnan, derrière Tong-tchouan, lagunes des montagnes, 2000m, vi 1912, E. E. Maire s.n. (holo. *C. lebrunei*, P).

2195. *Carex forficula* Franch. & Sav. var. *scabrida* Kükenth. in Pflanzenr. 38 (IV, 20): 342 (1909); Ohwi, Fl. Jap. (Engl. ed.) 230 (1965); Ohwi & Kitag., New Fl. Jap. 298 (1983).

C. diamantina Lévl. & Vant. in Fedde Rep. Sp. Nov. 4: 226 (1907); Akiyama, Car. Far E. Reg. As. 82 (1955), pro syn. sub *C. forficula* Franch. & Sav. KOREA. Mont. des diamants, lieux tourbeux, 20 vi 1906, *Faurie* 1328 (holo. var. *scabrida* & syntype *C. diamantina*, P), *Faurie* 1331 (syntype *C. diamantina*, P).

2196. *Carex gibba* Wahl. in Vet. Akad. Nya Handl. Stockh. 24: 148 (1803); Kükenth. in Pflanzenr. 38 (IV, 20): 238 (1909); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1952); Akiyama, Car. Far E. Reg. As. 71 (1955).

C. alta Boott var. *brevior* Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 126 (1901).

JAPAN. Yokosuka, 5 v 1899, *Faurie* 2734 (holo. var. *brevior*, P).

2197. *Carex gifuensis* Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 47 (1895); Akiyama, Car. Far E. Reg. As. 224 (1955); Ohwi, Fl. Jap. (Engl. ed.) 243 (1965).

C. argyrostachys Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 27 (1902).

JAPAN. Sine loc., *Faurie?* s.n. (holo. *C. argyrostachys*, P? n.v.).

2198. *Carex glareosa* Wahl. subsp. *soriofkensis* (Lévl. & Vant.) McKean, **comb. nov.**

C. soriofkensis Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 35 (1909), p.p. excl. *Faurie* 858; Krecz. in Komar., Fl. URSS 3: 183 (1935), pro syn. sub *C. marina* Dewey; Ohwi, Cyper. Jap. 1: 263 (1936); Akiyama, Car. Far E. Reg. As. 58 (1955).

C. glareosa Wahl. var. *soriofkensis* (Lévl. & Vant.) Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 103 (1909).

SACHALIN. In paludosis littoris Soriofka, 5 viii 1908, *Faurie* 868 (holo. *C. soriofkensis*, P). This specimen is also the holotype of *C. glareosa* forma *elegantissima* Kükenth.

There has been great confusion in the past concerning *C. glareosa* Wahl. and *C. marina* Dewey. However, among Hultén (1941), Böcher (1952) and Halliday & Chater (1969) the problem has now been resolved with the Asiatic material being called *C. glareosa* and *C. marina* confined to N Europe and Canada.

The fruits and bracts are within the range of variation of *C. glareosa* subsp. *glareosa* but *C. glareosa* subsp. *soriofkensis* is taller (40cm) with narrower leaves.

2199. *Carex globularis* L., Sp. Pl. 1: 976 (1753); Krecz. in Fl. URSS 3: 317 (1935); Akiyama, Car. Far E. Reg. As. 228 (1955).

C. mitsuriokensis Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 33 (1909).

C. globularis L. var. *mitsuriokensis* (Lévl. & Vant.) Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 104 (1909).

SACHALIN. In turfosis Mitsuriyoka, 4 vii 1908, *Faurie* 891 (holo. *C. mitsuriokensis*, P).

2200. *Carex hakonensis* Franch. & Sav., Enum. Pl. Jap. 2: 123, 550 (1879); Ohwi, Cyper. Jap. 1: 437 (1936); Akiyama, Car. Far E. Reg. As. 44 (1955); T. Koyama in Phytologia 20: 227, pl. 21 (1970); Ohwi & Kitag., New Fl. Jap. 327 (1983), p.p.

C. onoei Franch. & Sav. var. *krameri* (Franch. & Sav.) Kükenth. ex Matsum.,

Ind. Pl. Jap. 2(1): 124 (1905); Kükenth. in Pflanzentr. 38 (IV, 20): 101 (1909); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 207 (1962).

C. heleochariformis Lévl. & Vant. in Bull. Soc. Bot. France 51: 202 (1904) & in Rev. Sci. Bourbon. Centr. France 17: 164 (1904).

JAPAN. Nippon, Jizokatake, près des sources, vers 2500m, *Faurie* 5333 (holo. *C. heleochariformis*, P).

2201. *Carex heterolepis* Bunge in Enum. Pl. Chin. Bor. 69 (1832); Kükenth. in Pflanzentr. 38 (IV 20): 341 (1909); Akiyama, Car. Far E. Reg. As. 81 (1955); Ohwi, Fl. Jap. (Engl. ed.) 230 (1965); Ohwi & Kitag., New Fl. Jap. 297 (1983).

C. latinervia Lévl. in Bull. Acad. Géog. Bot. 10: 219 (1901).

JAPAN. Tottori, 22 v 1899, *Faurie* 2761 (holo. *C. latinervia*, P).

2202. *Carex humilis* Leyss. var. *nana* (Lévl. & Vant.) Ohwi, Cyp. Jap. 1: 399 (1936) & Fl. Jap. (Engl. ed.) 242 (1965).

C. lanceolata Boott var. *nana* Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 269 (1902); Kükenth. in Pflanzentr. 38 (IV, 20): 493 (1909); Lévl., Fl. Kouy-Tchéou 134 (1914); Ohwi, Cyp. Jap. 1: 399 (1936), pro syn. sub *C. humilis* Leyss.; Akiyama, Car. Far. E. Reg. As. 231 (1955), pro syn. sub *C. humilis* Leyss.

C. nanella auct. non Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ. 5: 263 (1930); Ohwi & Kitag., New Fl. Jap. 318 (1983).

JAPAN. Aomori, vi 1897, *Faurie* 1088 (holo. var. *nana*, P).

Koyama (1962) states that *C. humilis* Leyss. var. *nana* (Lévl. & Vant.) T. Koyama is not the same as *C. nanella* Ohwi. I have seen no authentic material of *C. nanella* and therefore am relying on Koyama's judgement.

2203. *Carex heterostachya* Bunge forma *minor* (Boott) Kükenth. in Pflanzentr. 38 (IV, 20): 741 (1909).

C. songorica Kar. & Kir. var. *minor* Boott, Illust. Gen. Carex 4: 200 (1867).

C. haematostachys Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 305 (1902) & in Bull. Soc. Agric. Sci. Arts Sarthe 38: 407 (1902); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1952).

KOREA. In tumulis Pyen-yang, vi 1901, *Faurie* 1926 (holo. *C. haematostachys*, P).

2204. *Carex idzuroei* Franch. & Sav., Enum. Pl. Jap. 2: 155 (1877); Kükenth. in Pflanzentr. 38 (IV, 20): 708 (1909); Ohwi, Cyp. Jap. 1: 474 (1936); Akiyama, Car. Far E. Reg. As. 147 (1955); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 239 (1962); Ohwi, Fl. Jap. (Engl. ed.) 250 (1965); Ohwi & Kitag., New Fl. Jap. 334 (1983).

C. pseudovesicaria Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 180 (1902).

JAPAN. Ile de Shikoku dans les lieux marécageux près de Tokushima, vi 1900, *Faurie* 4395 (holo. *C. pseudovesicaria*, P).

2205. *Carex ischnostachya* Steud., Synops. Cyp. 222 (1855).

C. acrogyna Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 201 (1901), pro min. parte excl. *Faurie* 1696, 2756, 2830.

JAPAN. [Honshu], Nara, 18 vi 1898, *Faurie* 1707 (syntype *C. acrogyna*, P).

2206. *Carex jackiana* Boott subsp. *jackiana* forma *oxyphylla* (Franch.) Kükenth. in Pflanzenr. 38 (IV, 20): 638 (1909); Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 50 (1910).

C. lyi Lévl. & Vant. in Fedde Rep. Sp. Nov. 3: 349 (1907); Lévl., Fl. Kouy-Tchéou 134 (1914).

CHINA. Guizhou, Pin-fa, 26 iv 1905, *Cavalerie* 2325 (holo. *C. lyi*, P).

2207. *Carex jackiana* Boott subsp. *parciflora* (Boott) Kükenth. var. *vaniotii* (Lévl. & Vant.) T. Koyama in Bot. Mag. Tokyo 70: 356, fig. 12 I, J (1957).

C. vaniotii Lévl. & Vant. in Bull. Soc. Agric. Sci. Arts Sarthe 38: 17 (1901) & in Bull. Acad. Géog. Bot. 11: 108 (1902) Ohwi, Cyper. Jap. 1: 427 (1936).

C. filipes Franch. & Sav. var. *vaniotii* (Lévl. & Vant.) Kükenth. in Pflanzenr. 38 (IV, 20): 641 (1909).

C. parciflora Boott var. *vaniotii* (Lévl. & Vant.) Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 5: 290 (1930); Akiyama, Consp. Caric. Jap. 211 (1932); Ohwi & Kitag., New Fl. Jap. 325 (1983).

JAPAN. Sommet de Ganju, 12 viii 1898, *Faurie* 1701 (holo. *C. vaniotii*, P).

2208. *Carex jaluensis* Kom., Fl. Manshur. 1: 369 (1901); Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 48 (1910); Nakai, Journ. Coll. Sci. Imp Univ. Tokyo 31: 314 (1911); Akiyama, Car. Far E. Reg. As. 121 (1955).

C. crassibasis Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 1 (1908).

KOREA. Hpyeng-Yang, vii 1906, *Faurie* 1352 (holo. *C. crassibasis*, P).

2209. *Carex kiotensis* Franch. & Sav., Enum. Pl. Jap. 2: 128, 556 (1879); Akiyama, Car. Far E. Reg. As. 90 (1955); Kükenth. in Pflanzenr. 38 (IV, 20): 356 (1909); Ohwi, Fl. Jap. (Engl. ed.) 231 (1965); Ohwi & Kitag., New Fl. Jap. 300 (1983).

C. guffroyana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 203 (1901).

C. jizokatakensis Lévl. & Vant. in Bull. Soc. Bot. France 51: 203 (1904).

C. kinashii Lévl. & Vant. in Bull. Soc. Bot. France 51: 204 (1904).

JAPAN. Asamayama, 20 v 1897, *Faurie* 1070 (holo. *C. guffroyana*, P); Nippon, Jizogatake, vii 1903, *Faurie* 5341 (holo. *C. jizokatensis*, P); dans la lave du volcan de Bandai, 7 ix 1898, *Faurie* 1633 (holo. *C. kinashii*, P).

2210. *Carex lanceolata* Boott in A. Gray, Narr. Exped. Perry 2: 326 (1857); Lévl. & Vant. in Bull. Soc. Bot. France 53: 315 (1906) & in Bull. Acad. Géog. Bot. 20: 49 (1910); Kükenth. in Lévl., Fl. Kouy-Tchéou 134 (1914).

C. paucimacula Lévl. & Vant. in Bull. Soc. Bot. France 53: 315 (1906) & in Fedde Rep. Sp. Nov. 3: 351 (1907).

C. neokukenthaliana Lévl. & Vant. in Fedde Rep. Sp. Nov. 3: 350 (1907).

CHINA. Guizhou, Pin-fa, montagnes, 24 iii 1903, *Cavalerie* 952 (holo. *C. paucimacula*, P); Pin-fa, pentes près des rivières, 30 iii 1905, *Cavalerie* 2235 (holo. *C. neokukenthaliana*, P).

2211. *Carex laticeps* C. B. Cl. ex Franch. in Nouv. Arch. Mus. Paris, 3 sér., 9: 178 (1897); Kükenth. in Pflanzenr. 38 (IV, 20): 635 (1909); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1952).

C. cavaleriei Lévl. & Vant. in Bull. Soc. Agric. Sci. Arts Sarthe 40: 78 (1905).

CHINA. Kiangsou [c. 1860], *d'Argy* s.n. (holo. *C. cavaleriei*, P).

2212. *Carex ledebouriana* C. A. Mey. ex Trev. subsp. *tenuiformis* (Lévl. & Vant.) Egorova in Nov. Syst. Pl. Vasc. 22: 54 (1985).

C. tenuiformis Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 104 (1902) & in Mém. Soc. Nat. Sci. Nat. Math. Cherb. 35: 219 (1905); Kükenth. in Pflanzenr. 38 (IV, 20): 571 (1909); Miyabe & Kudo, Fl. Hokk. & Saghal. 2: 259 (1931); Akiyama, Consp. Caric. Japon. 177 (1932); Ohwi in Acta Phytotax. Geobot. 2: 276 (1933) & Cyper. Jap. 1: 448 (1936); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 131 (1952); Akiyama, Car. Far E. Reg. As. 140 (1955); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 217 (1962); Ohwi, Fl. Jap. (Engl. ed.) 247 (1965); Ohwi & Kitag., New Fl. Jap. 329 (1983).

JAPAN. Rebunshiri, 1 viii 1899, *Faurie* 2814 (holo. *C. tenuiformis*, P).

2213. *Carex lenta* D. Don var. *sendaica* (Franch.) T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 166 (1962); Ohwi, Fl. Jap. (Engl. ed.) 248 (1965); Ohwi & Kitag., New Fl. Jap. 332 (1983); Wu, Cheng-yih, Ind. Fl. Yunnan. 2: 2087 (1984).

C. sendaica Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 42 (1985); Akiyama, Car. Far E. Reg. As. 100 (1955).

C. brunnea Thunb. var. *sendaica* (Franch.) Kükenth. in Pflanzenr. 38 (IV, 20): 601 (1909).

C. franchetiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 268 (1901); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 129 (1952), pro syn. sub *C. brunnea* Thunb.

C. hongnoensis Lévl. & Vant. in Fedde Rep. Sp. Nov. 9: 426 (1910).

C. husnotiana Lévl. & Vant. in loc. cit. 444.

C. brunnea Thunb. var. *husnotiana* (Lévl. & Vant.) Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 129 (1952).

JAPAN. Îles du sud du Japon, 1896, *Faurie* 2738 n.v., 2739 (syntype *C. franchetiana*, P?).

KOREA. Quelpaert, in sepibus Hongno, vi 1909, *Taquet* 3457 (holo. *C. hongnoensis*, P); in rupibus Hongno, 11 iii 1911, *Taquet* 4541 (holo. *C. husnotiana*, P).

2214. *Carex hebecarpa* C. A. Mey. subsp. *ligulata* (Nees) T. Koyama in Hara, Fl. E. Himal., 3rd Rep.: 123 (1975); Wu, Cheng-yih, Ind. Fl. Yunnan. 2: 2091 (1984).

C. ligulata Nees in Wight Contrib. Bot. India 127 (1834); Akiyama, Car. Far E. Reg. As. 236 (1955); Ohwi, Fl. Jap. (Engl. ed.) 252 (1965); Ohwi & Kitag., New Fl. Jap. 340 (1983).

C. bakanensis Lévl. & Vant. in Bull. Soc. Bot. France 51: 203 (1904).

C. hebecarpa C. A. Mey. var. *ligulata* (Nees) Kükenth. in Pflanzenr. 38 (IV, 20): 745 (1909); Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 50 (1910).

C. dunniana Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 231 (1909); Lévl., Fl. Kouy-Tchéou 134 (1914), pro syn. sub *C. hebecarpa* Nees.

JAPAN. Île de Kiushu, lieux herbeux et humides des monts. Bakan, vii 1903, *Faurie* 5318 (holo. *C. bakanensis*, P).

CHINA. Guizhou, Tsün-gai (Kao-Po), vii 1903, bois, Pin-fa, v 1907, *Cavalerie* 1164 (holo. *C. dunniana*, P).

2215. *Carex ligata* Boott subsp. *formosensis* (Lévl. & Vant.) T. Koyama, Fl. Taiwan 5: 333 (1978).

C. formosensis Lévl. & Vant. in Mém. Soc. Nat. Sci. Nat. Math. Cherb. 35: 216 (1905) & in Fedde Rep. Sp. Nov. 5: 31 (1908); Ohwi in Fl. Jap. (Engl. ed.) 236 (1965); Ohwi & Kitag., New Fl. Jap. 307 (1983).

C. ligata Boott var. *formosensis* (Lévl. & Vant.) Kükenth. in Pflanzenr. 38 (IV, 20): 474 (1909).

FORMOSA. Forêts du littoral de Kelung, 30 v 1903, *Faurie* 827 (holo. *C. formosensis*, P).

2216. *Carex mackenziei* Krecz. in Fl. URSS 3: 183 (1935); Ohwi, Cyper. Jap. 1: 265 (1936); Akiyama, Car. Far E. Reg. As. 59 (1955).

C. soriofkensis Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 35 (1909), p.p. excl. *Faurie* 868.

SACHALIN. In paludosis littoris Soriofka, 5 viii 1908, *Faurie* 858 (syntype *C. soriofkensis*, P).

2217. *Carex macrandrolepis* Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 240 (1908); Kükenth. in Pflanzenr. 38 (IV, 20): 766 (1909); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 330 (1911); Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 5: 255 (1930), in Journ. Jap. Bot. 7: 198 (1934) & Cyper. Jap. 1: 395 (1936); Akiyama, Cons. Car. Jap. 208, f. 152 (1932); Ohwi & Koyama in Mis. Rep. Nat. Sci. Mus. Tokyo 5: 4, t. 4 (1952); Akiyama, Car. Far E. Reg. As. 234 (1955); Ohwi, Fl. Jap. (Engl. ed.) 249 (1965); Ohwi & Kitag., New Fl. Jap. 333 (1983).

KOREA. In herbis Quelpaert, v 1907, *Faurie* 2285 (holo. *C. macrandrolepis*, P? n.v.).

2218. *Carex maculata* Boott in Trans. Linn. Soc. 20: 128 (1846); Kükenth. in Pflanzenr. 38 (IV 20): 427 (1909), p.p.; Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 315 (1911); Akiyama, Car. Far E. Reg. As. 120 (1955), p.p.

C. malacocarpa Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 200 (1901); Matsum., Ind. Pl. Jap. 2(1): 119 (1905).

C. acrogyna Lévl. & Vant. loc. cit. 201, p.p.; Matsum. loc. cit. 98 (excl. *Faurie* 1707, 2756).

C. latitans Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 239 (1908).

JAPAN. Tottori, 22 v 1899, *Faurie* 2750, 2764 (syntype *C. malacocarpa*, P); Ile Shikoku, lieux herbeux près de Tokushima, vi 1900, *Faurie* 4377 (syntype *C. malacocarpa*, P); Tsushima, 19 vi 1898, *Faurie* 1696; Nara, 16 v 1899, *Faurie* 2830 (syntypes *C. acrogyna*, P).

KOREA. In uliginosis Mokpo, v 1907, *Faurie* 2296 (holo. *C. latitans*, P).

2219. *Carex mollicula* Boott var. *naipiangensis* (Lévl. & Vant.) T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 211 (1962).

C. planiculmis Kom. in Act. Hort. Petropol. 18: 448 (1901); Ohwi, Cyper. Jap. 1: 456 (1936) & Fl. Jap. (Engl. ed.) 248 (1965); Ohwi & Kitag., New Fl. Jap. 331 (1983).

C. japonica Thunb. var. *naipiangensis* Lévl. & Vant. in Bull. Soc. Bot. France 51: 206 (1904); Kükenth. in Pflanzenr. 38 (IV, 20): 620 (1909), pro syn. sub *C. japonica* Thunb. var. *chlorostachys* (Don) Kükenth.

C. japonica Thunb. var. *chlorostachys* (Don) Kükenth. forma *naipiangensis* (Lévl. & Vant.) Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 48 (1910).

KOREA. Naipiang, lieux herbeux, humides, vii 1901, *Faurie* 929 (holo. var. *naipiangensis*, P).

It may be considered controversial, following Koyama rather than other Japanese botanists, but Koyama appears to have carefully researched this, even using cytological evidence.

2220. *Carex magellanica* Lam., Encycl. 3: 385 (1789); Kükenth. in Pflanzenr. 38 (IV, 20): 505 (1909); Lévl. & Vant. in Bull. Acad. Géog. Bot. 20: 51 (1910), pro *C. ontakensis*.

C. paupercula Michx., Fl. Bor. Amer. 2: 172 (1803); Akiyama, Car. Far E. Rég. As. 123 (1955); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 224 (1962); Ohwi, Fl. Jap. (Engl. ed.) 244 (1965); Ohwi & Kitag., New Fl. Jap. 321 (1983).

C. gentiliana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 221 (1901).

C. ontakensis Lévl. & Vant. in Mém. Soc. Nat. Sci. Nat. Math. Cherb. 35: 218 (1905).

JAPAN. Miyokosan, 23 vii 1897, *Faurie* 1116 (holo. *C. gentiliana*, P); Shinano, Ontake, 27 vii 1880, *Matsumura* 15571 (holo. *C. ontakensis*, P).

Although Koyama places *C. gentiliana* under *C. paupercula* Michx. he does say that he has not seen S American material of *C. magellanica* which may be conspecific with *C. paupercula*. I am following current British authors in placing *C. paupercula* under *C. magellanica*.

2221. *Carex martinii* Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 57 (1902); Kükenth. in Pflanzenr. 38 (IV, 20): 629 (1909); Lévl., Fl. Kouy-Tchéou 134 (1914); Lévl., Cat. Pl. Yunnan, fig. 16 (1916).

CHINA. Guizhou, environs de Kouy-yang (Lan-yo-chen), mont. du Collège, bois, haies. Environs de Gan-pin, bois, à la Pierre-Noire, 9 et 15 mars 1898, *Martin* in hb. *Bodinier* 2106 (holo. *C. martinii*, P).

Possibly a narrow-leaved subspecies of *C. manca* Boott.

2222. *Carex matsumurae* Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 50 (1895); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 512 (1911) & in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1952); Akiyama, Car. Far E. Rég. As. 212 (1955); Ohwi, Fl. Jap. (Engl. ed.) 241 (1965); Ohwi & Kitag., New Fl. Jap. 316 (1983).

C. taquetii Lévl. in Fedde Rep. Sp. Nov. 8: 426 (1910).

KOREA. Quelpaert, in rupibus littoris Tpyengeni, ix 1909, *Taquet* 3446 (holo. *C. taquetii*, P).

2223. *Carex maximowiczii* Miq., Ann. Mus. Bot. Lugd. Bat. 2: 150 (1866); Akiyama, Car. Far E. Rég. As. 85 (1955).

C. meiocarpa Lévl. & Vant. in Fedde Rep. Sp. Nov. 4: 226 (1907).

KOREA. Lieux herbeux humides à Syou Ouen, 31 v 1906, *Faurie* 1324 (holo. *C. meiocarpa*, P).

2224. *Carex metallica* Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 239 (1908); Kükenth. in Pflanzenr. 38 (IV, 20): 766 (1909); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 325 (1911); Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, VI: 248 (1931); Akiyama, Consp. Car. Jap. 186 (1932); Ohwi, Journ. Jap. Bot. 7: 198 (1934) & Fl. Jap. (Engl. ed.) 249 (1965); Ohwi & Kitag., New Fl. Jap. 333 (1983).

KOREA. Quelpaert, in petrosis secus torrentes, v 1907, *Faurie* 2261 (holo. *C. metallica*, P).

2225. *Carex middendorffii* F. Schmidt var. *kirigaminensis* (Ohwi) Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 6: 241 (1931); Ohwi, Fl. Jap. (Engl. ed.) 232 (1965); Ohwi & Kitag., New Fl. Jap. 300 (1983).

C. caulorhiza Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 179 (1902); Lévl., Cat. Pl. Yunnan t. 13 (1916); Akiyama, Car. Far E. Reg. As. 92 (1955), pro syn. sub *C. mittendorffii* F. Schmidt.

JAPAN. Riishiri, 25 vii 1899, *Faurie* 2755 (holo. *C. caulorhiza*, P).

2226. *Carex mitrata* Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 88 (1895); Kükenth. in Pflanzenr. 38 (IV, 20): 471 (1909); Ohwi, Fl. Jap. (Engl. ed.) 236 (1965); Ohwi & Kitag., New Fl. Jap. 308 (1983).

C. kingiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 272 (1901), p.p. excl. *Faurie* 2814.

JAPAN. Nagasaki, 3 vi 1899, *Faurie* 2820; Ile de Shikoku, sur le mont. Tsurugi, vi 1900, *Faurie* 4430; Ile Nippon, lieux herbeux de Ibaraki, v 1900, *Faurie* 4413 (syntype *C. kingiana*, P).

2227. *Carex nervata* Franch. & Sav., Enum. Pl. Jap. 2: 141 (1879); Ohwi, Cyper. Jap. 1: 349 (1936); Akiyama, Car. Far E. Reg. As. 183 (1955).

C. multipes Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 271 (1901).

C. caryophyllea Latour. subsp. *nervata* (Franch. & Sav.) Kükenth. in Pflanzenr. 38 (IV, 20): 465 (1909) & in Allg. Bot. Zeitschr. 15: 36 (1909), pro *Faurie* 905.

C. multifiliculmis Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 34 (1909), p.p. (excl. *Faurie* 904, 939).

JAPAN. Nippon, in collibus regionis Ibaraki, v 1900, *Faurie* 4421 (syntype *C. multipes*, P); Nagasaki, 5 vi 1899, *Faurie* 2808 (syntype *C. multipes*, P).

SACHALIN. In herbis Korsakof, vii 1908, *Faurie* 905 (syntype *C. multifiliculmis*, P).

2228. *Carex nubigena* D. Don ex Tillich & Taylor in Phil. Mag. 62: 455 (Dec. 1823).

C. ophiopogon Lévl. in Bull. Acad. Géog. Bot. 24: 283 (1914) & Cat. Pl. Yunnan 77 (1916).

CHINA. Yunnan, plaine de Tong-tchouan, 2500m, x 1913, *E. E. Maire* s.n. (holo. *C. ophiopogon*, P).

2229. *Carex oahuensis* C. A. Mey. in Mém. Acad. Sci. St. Pétersb. 1: 218 t. 10 (1831); Ohwi & Kitag., New Fl. Jap. 317 (1983).

C. boottiana Hook. & Arn., Bot. Beech. Voy. 273 (1841); Ohwi, Cyper. Jap. 1: 389 (1936); Akiyama, Car. Far E. Reg. As. 218 (1955); Ohwi, Fl. Jap. (Engl. ed.) 241 (1965).

C. oahuensis C. A. Mey. var. *boottiana* (Hook. & Arn.) Kükenth. in Pflanzenr. 38 (IV, 20): 632 (1909); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 329 (1911).

C. stupenda Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 195 (1902) Nakai in Bot. Mag. Tokyo 38: 153 (1924).

JAPAN. Ile de Kiushu, sur le littoral près de Kagoshima, vii 1900, *Faurie* 4383 (holo. *C. stupenda*, P).

2230. *Carex otaruensis* Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 34 (1895); Kükenth. in Pflanzenr. 38 (IV, 20): 342 (1909); Ohwi, Cyper. Jap. 1: 297 (1936); Akiyama, Car. Far E. Reg. As. 81 (1955); Ohwi, Fl. Jap. (Engl. ed.) 231 (1965); Ohwi & Kitag., New Fl. Jap. 299 (1983).

C. cardioglochis Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 31 (1902); Matsum., Ind. Pl. Jap. 2, 1: 104 (1905).

C. paniculacea Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 110 (1902).

JAPAN. Kujusan, 28 vi 1899, *Faurie* 2760 (holo. *C. cardioglochis*, P); Kamitsuge, 13 v 1899, *Faurie* 2740 (holo. *C. paniculacea*, P).

2231. *Carex oxyandra* (Franch. & Sav.) Kudo, Rep. Veg. N. Saghal. 72 (1923); Ohwi, Cyper. Jap. 1: 410 (1936); Akiyama, Car. Far E. Reg. As. 227 (1955).

C. montana L. var. *oxyandra* Franch. & Sav., Enum. Pl. Jap. 2: 141, 565 (1879) non Dewey.

C. wrightii Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 47 (1895); Kükenth. in Pflanzenr. 38 (IV, 20): 443 (1909).

C. stolonifera Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 27 (1902); Matsum., Ind. Pl. Jap. 2, 1: 134 (1905).

JAPAN. Nasuzan, 30 vii 1890, *Faurie* 1118 (holo. *C. stolonifera*, P).

2232. *Carex pediformis* C. A. Mey. in Mém. Acad. Sci. St. Pétersb. 1: 219 (1831); in herb. det. Kükenth.

C. olivieri Lévl. & Vant. in Rev. Sci. Bourb. Centre. France 17: 166 (1904). CHINA. Shanghai?, 1895, *Oliver?* (holo. *C. olivieri*, P).

2233. *Carex pedunculata* Muehl. var. *erythrobasis* (Lévl. & Vant.) T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 177 (1962).

C. erythrobasis Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 240 (1908); Kükenth. in Pflanzenr. 38 (IV, 20): 766 (1909); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 323 (1911); Ohwi, Cyper. Jap. 1: 398 (1936).

C. hallaisanensis Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 240 (1908).

KOREA. In silvis Quelpaert, in petrosis et rupibus, 1000m, v 1907, *Faurie* 2278 (holo. *C. erythrobasis*, P); in silvis Hallaisan, vi 1907, *Faurie* 2257 (holo. *C. hallaisanensis*, ?P n.v.).

2234. *Carex phacota* Spreng., Syst. 3: 826 (1826); Ohwi, Cyper. Jap. 1: 296 (1936).

C. cincta Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 33 (1895); Kükenth. in Pflanzenr. 38 (IV, 20): 353 (1909); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 129 (1952).

C. lepidopristis Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 198 (1901).

JAPAN. Plaine de Kashimadai, 10 vii 1897, *Faurie* 1063 (syntype *C. lepidopristis*, P); Sorachi, 12 vii 1898, *Faurie* 1625 (syntype *C. lepidopristis*, P).

2235. *Carex pilosa* Scop., Fl. Cam. ed. 2, 2: 226 (1772); Kükenth. in Pflanzenr. 38 (IV 20): 639 (1909); Ohwi, Cyper. Jap. 1: 421 (1936); Koyama, Journ. Fac. Sci. Univ. Tokyo 8: 225 (1962); Ohwi, Fl. Jap. (Engl. ed.) 244 (1965); Ohwi & Kitag., New Fl. Jap. 322 (1983).

C. hakodatensis Lévl. & Vant. in Bull. Soc. Bot. France 51: 206 (1904); Nakai in Bull. Nat. Sci. Mus. Tokyo 31: 130 (1952).

JAPAN. Yesso, lieux herbeux humides, autour de Hakodate, vii 1902, *Faurie* 5167 (holo. *C. hakodatensis*, P).

2236. *Carex pisiformis* Boott var. *alterniflora* (Franch.) T. Koyama in Bot. Mag. Tokyo 74: 321 (1961).

C. alterniflora Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 51 (1895); Ohwi, Cyper. Jap. 1: 366 (1936); Akiyama, Car. Far E. Reg. As. 194 (1955).

C. pseudostrigosa Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 109 (1909), p.p. excl. *Faurie* 4414.

JAPAN. Yokosuka, 5 v 1899, *Faurie* 2805 (syntype *C. pseudostrigosa*, P).

2237. *Carex pisiformis* Boott var. *duvaliana* (Franch. & Sav.) T. Koyama in Bot. Mag. Tokyo 74: 329 (1961).

C. duvaliana Franch. & Sav., Enum. Pl. Jap. 2: 568 (1879); Ohwi, Cyper. Jap. 1: 371 (1936) & Fl. Jap. (Engl. ed.) 239 (1965); Ohwi & Kitag., New Fl. Jap. 313 (1983).

C. hololasius Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 280 (1901).

C. tenuissima Boott var. *duvaliana* (Franch. & Sav.) Kükenth. in Pflanzenr. 38 (IV, 20): 676 (1909).

JAPAN. Ile Nippon, province d'Ibaraki, v 1900, *Faurie* 4433 (holo. *C. hololasius*, P).

2238. *Carex pisiformis* Boott var. *koreana* (Nak.) T. Koyama in Bot. Mag. Tokyo 74: 328 (1961).

C. umbrosa Host. var. *koreana* Nak. in Bot. Mag. Tokyo 28: 327 (1914).

C. polyschoena Lévl. & Vant. in Bull. Soc. Agric. Sci. Arts Sarthe 38: 407 (1902) and in Bull. Acad. Géog. Bot. 12: 9 (1903); Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 6: 255 (1931); Akiyama, Consp. Caric. Jap. 148 (1932); Ohwi, Cyper. Jap. 361 (1936); Akiyama, Car. Far E. Reg. As. 193 (1955); Ohwi, Fl. Jap. (Engl. ed.) 238 (1965); Ohwi & Kitag., New Fl. Jap. 311 (1983).

C. indistinctum Lévl. & Vant. in Fedde Rep. Sp. Nov. 5: 1 (1908); Nakai in Journ. Coll. Sci. Imp. Univ. Tokyo 31: 335 (1911).

C. pisiformis Boott forma *polyschoena* (Lévl. & Vant.) Kükenth. in Pflanzenr. 38 (IV, 20): 477 (1909).

JAPAN. Ile de Tsushima, in siccus silvarum, v 1901, *Faurie* 4928 (holo. *C. polyschoena*, P).

KOREA. In monte des Diamants, vi 1906, *Faurie* 1437 (holo. *C. indistinctum*, P).

2239. *Carex pisiformis* Boott var. *sachalinensis* (F. Schm.) Kükenth. ex Matsum., Ind. Pl. Jap. 2(1): 126 (1905); Kükenth. in Pflanzenr. 38 (IV, 20): 477 (1909) & in Allg. Bot. Zeitschr. 15: 36 (1909); T. Koyama in Bot. Mag. Tokyo 74: 329 (1961).

C. sachalinensis F. Schm., Reis. Amurl. und Ins. Sachal. 194, t. 6, f. 14-17

(1868); Ohwi, *Cyper. Jap.* 1: 368 (1936); Akiyama, *Car. Far E. Reg. As.* 199 (1955); Ohwi, *Fl. Jap.* (Engl. ed.) 238 (1965); Ohwi & Kitag., *New Fl. Jap.* 312 (1983).

C. korsakoviensis Lévl. & Vant. in *Bull. Acad. Géog. Bot.* 19: 34 (1909).

SACHALIN. Korsakof, in silvis, vi 1908, *Faurie* 945 (holo. *C. korsakoviensis*, P).

2240. *Carex prescottiana* Boott var. *flabellata* (Lévl. & Vant.) Ohwi in *Mem. Coll. Sci. Kyoto Imp. Univ.*, sér. B, 6: 257 (1931); T. Koyama in *Journ. Fac. Sci. Univ. Tokyo* 8: 250 (1962).

C. flabellata Lévl. & Vant. in *Bull. Acad. Géog. Bot.* 11: 111 (1902) & in *Mém. Soc. Nat. Sci. Nat. Math. Cherb.* 35: 214 (1905); Kükenth. in *Pflanzenr.* 38 (IV, 20): 355 (1909), pro syn. sub *C. prescottiana* Boott; Ohwi, *Cyper. Jap.* 1: 299 (1936); Akiyama, *Car. Far E. Reg. As.* 89 (1955); Ohwi, *Fl. Jap.* 231 (1965); Ohwi & Kitag., *New Fl. Jap.* 300 (1983).

JAPAN. Aomori, 17 vi 1897, *Faurie* 1073 (holo. *C. flabellata*, P).

2241. *Carex pseudo-chinensis* Lévl. & Vant. in *Bull. Acad. Géog. Bot.* 11: 306 (1902) & in *Bull. Soc. Agric. Sci. Arts Sarthe* 38: 407 (1902); Kükenth. in *Pflanzenr.* 38 (IV, 20): 737 (1909); Lévl., *Cat. Pl. Yunnan* 17 (1916); Ohwi, *Cyper. Jap.* 1: 483 (1936); Nakai in *Bull. Nat. Sci. Mus. Tokyo* 31: 131 (1952); Akiyama, *Car. Far E. Reg. As.* 149 (1955); T. Koyama in *Journ. Fac. Sci. Univ. Tokyo* 8: 210 (1962).

KOREA. Syou Ouen, in uliginosis, 30 v 1901, *Faurie* 941 (holo. *C. pseudo-chinensis*, P, iso. KYO fide Koyama).

Both Kükenth. and Koyama wrongly changed the original spelling of *C. pseudo-chinensis* to *pseudo-sinensis*.

2242. *Carex pseudospachiana* Lévl. & Vant. in *Fedde Rep. Sp. Nov.* 3: 349 (1907) & in *Bull. Acad. Géog. Bot.* 20: 49 (1910); Kükenth. in *Herb.*

CHINA. Guizhou, *Esquirol* 916 (holo. *C. pseudospachiana*, P).

This species is closely related to *C. haematostoma* Nees from which it differs in its non-aristate glumes, more bristly stems and peduncles and more scabrid leaves. It may be better to treat this taxon as a subspecies of *C. haematostoma*.

2243. *Carex rochebrunii* Franch. & Sav., Enum. Pl. Jap. 2: 126 (1879); Ohwi, *Cyper. Jap.* 1: 257 (1936); Akiyama, *Car. Far E. Reg. As.* 66 (1955).

C. remota L. subsp. *rochebrunei* (Franch. & Sav.) Kükenth. in *Pflanzenr.* 38 (IV, 20): 234 (1909).

C. alta Boott var. *gymnocarpa* Lévl. & Vant. in *Bull. Acad. Géog. Bot.* 10: 125 (1901).

JAPAN. Matsushima, 30 vi 1897, *Faurie* 1061 (holo. var. *gymnocarpa*, P).

2244. *Carex rubro-brunnea* C. B. Cl. var. *taliensis* (Franch.) Kükenth. in *Pflanzenr.* 38 (IV, 20): 344 (1909); Wu, Cheng-yih, *Ind. Fl. Yunnan.* 2: 2097 (1984).

C. taliensis Franch. in *Bull. Soc. Philom. Paris*, sér. 8, 7: 34 (1895).

C. reichenbachiana Lévl. & Vant. in *Bull. Acad. Géog. Bot.* 11: 60 (1902) & in loc. cit. 12: 12 (1903), pro syn. sub *C. rubro-brunnea* C. B. Cl.

CHINA. Yunnan, mont. entre Ma Kay et Se Tsang, à Tien Sen Kiao, bord d'une petite rivière, 5 iv 1897, *Bodinier* 1523 (holo. *C. reichenbachiana*, P).

2245. *Carex rugata* Ohwi in Acta Phytotax. Geobot. 1: 76 (1932) & Cyper. Jap. 1: 358 (1936); Akiyama, Car. Far E. Reg. As. 185, pl. 186 (1955); Ohwi & Kitag., New Fl. Jap. 310 (1983).

C. kingiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 272 (1901), pro min. parte.

JAPAN. Kamitsuge, 13 v 1899, *Faurie* 2820 (syntype *C. kingiana*, P, ?KYO n.v.).

2246. *Carex sabynensis* Less. ex Kunth, Enum. Pl. 2: 440 (1837); Krecz. in Fl. URSS 3: 329 (1935), p.p.; Ohwi, Cyper. Jap. 1: 352 (1936); Akiyama, Car. Far E. Reg. As. 182 (1955).

C. sadae Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 33 (1909), p.p.

C. cordouei Lévl. & Vant. in loc. cit. 34.

C. eriandrolepis Lévl. & Vant. in loc. cit.

C. multifiliculmis Lévl. & Vant. in loc. cit., p.p.

C. umbrosa L. subsp. *sabynensis* (Less.) Kükenth. in Pflanzenr. 38 (IV, 20): 468 (1909) & in Allg. Bot. Zeitschr. 15: 36 (1909); Lévl. in Fedde Rep. Sp. Nov. 7: 104 (1909), p.p.

SACHALIN. In herbidis Mitsurioka, 4 vii 1908, *Faurie* 903 (syntype *C. sadae*, P), the other syntype is *C. blepharicarpa*; in silvis Vladimirof, in fini, vi 1908, *Faurie* 902 (holo. *C. cordouei*, P); in herbidis, vii 1908, *Faurie* 941 (holo. *C. eriandrolepis*, P); in herbidis Vladimirof, in fini, vi 1908, *Faurie* 939 (syntype *C. multifiliculmis*, P); in herbidis Korsakof, 2 vii 1908, *Faurie* 904 (syntype *C. multifiliculmis*, P).

2247. *Carex sachalinensis* Fr. Schm. subsp. *fernaldiana* (Lévl. & Vant.) T. Koyama in Fl. Taiwan 5: 337 (1978).

C. fernaldiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 277 (1901); Matsum., Ind. Pl. Jap. 2(1): 109 (1905); Kükenth. in Pflanzenr. 38 (IV, 20): 470 (1909), pro syn. sub *C. breviculmis* R. Br. subsp. *royleana* Nees ex Wight forma *wardiana* (Lévl. & Vant.) Kükenth. in loc. cit.; Ohwi in Journ. Jap. Bot. 7: 194 (1934), Cyper. Jap. 1: 370 (1936) & Fl. Jap. (Engl. ed.) 239 (1965); Ohwi & Kitag., New Fl. Jap. 312 (1983).

JAPAN. Ile de Nippon, près d'Ibaraki, v 1900, *Faurie* 4431 (holo. *C. fernaldiana*, P).

2248. *Carex scabrifolia* Steud., Synops. Cyper. 237 (1855); Kükenth. in Pflanzenr. 38 (IV, 20): 737 (1909); Ohwi, Cyper. Jap. 1: 486 (1936); Akiyama, Car. Far E. Reg. As. 150 (1955); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 248 (1962); Ohwi, Fl. Jap. (Engl. ed.) 251 (1965); Ohwi & Kitag., New Fl. Jap. 337 (1983).

C. malinvaldi Lévl. & Vant. in Bull. Soc. Bot. France 51: 204 (1904).

C. yabei Lévl. & Vant. in Bull. Soc. Agric. Sci. Arts Sarthe 40: 79 (1905) & in Fedde Rep. Sp. Nov. 2: 172 (1906).

JAPAN. Ile de Kiushu, dans les lieux humides et sablonneux de Kotura, 20 iv 1903, *Faurie* 5339 (holo. *C. malinvaldi*, P).

CHINA. Kiangsou, [c.1860], *d'Argy* s.n. (holo. *C. yabei*, P).

2249. *Carex schmidtii* Meinsh. in Baer & Helmers., Beitr. Kenntn. Russ. Reich. 26: 224 (1871); Kükenth. in Allg. Bot. Zeitschr. 15: 36 (1909); Lévl. & Vant. in Fedde Rep. Sp. Nov. 7: 104 (1909); Ohwi, Cyper. Jap. 1: 303 (1936) & Fl. Jap. (Engl. ed.) 232 (1965); Ohwi & Kitag., New Fl. Jap. 300 (1983).

C. vladimiroviensis Lévl. & Vant. in Bull. Acad. Géog. Bot. 19: 34 (1909).
SACHALIN. Vladimirof, in humidis, vi 1908, *Faurie* 880 (holo. *C. vladimiroviensis*, P).

2250. *Carex scita* Maxim. var. *riishirensis* (Franch.) Kükenth. in Pflanzenr. 38 (IV, 20): 414 (1909); Ohwi, Cyper. Jap. 1: 321 (1936); T. Koyama in Journ. Fac. Sci. Univ. Tokyo 8: 190 (1962).

C. riishirensis Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 88 (1895).

C. pleiorhiza Lévl. & Vant. in Bull. Soc. Bot. France 51: 206 (1904) & in Rev. Sci. Bourb. Centr. France 17: 165 (1904); Kükenth. in Pflanzenr. 38 (IV, 20): 638 (1909), pro syn. sub *C. jackiana* Boott subsp. *parciflora* Boott.
JAPAN. Ile de Riishiri, 2200m, 25 vii 1899, *Faurie* 5181 (holo. *C. pleiorhiza*, P).

2251. *Carex shimidzensis* Franch. in Bull. Soc. Philom. Paris, sér. 8, 7: 33 (1895); Ohwi, Cyper. Jap. 1: 278 (1936); Akiyama, Car. Far E. Reg. As. 89 (1955); Ohwi, Fl. Jap. (Engl. ed.) 229 (1965); T. Koyama in Phytologia 20: 234 (1970); Ohwi & Kitag., New Fl. Jap. 295 (1983).

C. sorachensis Lévl. & Vant. in Bull. Soc. Bot. France 51: 205 (1904) & in Rev. Sci. Bourb. Centr. France 17: 165 (1904).

JAPAN. Sorachi, 12 vii 1898, *Faurie* 1653 (holo. *C. sorachensis*, P).

2252. *Carex subumbellata* Meinsh. var. *verecunda* Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 6: 260 (1931) & Cyper. Jap. 1: 349 (1936); Akiyama, Car. Far E. Reg. As. 181 (1955); Ohwi, Fl. Jap. (Engl. ed.) 236 (1965); Ohwi & Kitag., New Fl. Jap. 308 (1983).

C. heribaudiana Lévl. & Vant. in Bull. Acad. Géog. Bot. 10: 275 (1901), p.p. excl. *Faurie* 2784, 2785.

C. caryophyllea Latour. subsp. *nervata* Franch. & Sav. var. *micotricha* Kükenth. in Pflanzenr. 38 (IV, 20): 466 (1909), p.p.
JAPAN. Miyokosan, 23 vii 1897, *Faurie* 1106 (syntype *C. heribaudiana*, P).

The other syntypes are *C. caryophyllea* var. *micotricha* and *C. breviculmis*.

2253. *Carex simulans* C. B. Cl. in Journ. Linn. Soc. 36: 310 (1910); Kükenth. in Pflanzenr. 38 (IV, 20): 629 (1909); Lévl., Fl. Kouy-Tchéou 135 (1914).

C. schistorhyncha Lévl. & Vant. in Bull. Soc. Bot. France 53: 317 (1906) & in Fedde Rep. Sp. Nov. 3: 353 (1907).

CHINA. Guizhou, *Esquirol* 196 (holo. *C. schistorhyncha*, P n.v.).

2254. *Carex sociata* Boott in Mem. Amer. Acad. (n.s.) 6: 420 (1859); Ohwi, Cyper. Jap. 1: 376 (1936) & Fl. Jap. (Engl. ed.) 240 (1965); Ohwi & Kitag., New Fl. Jap. 314 (1983).

C. chinensis auct. non Retz.; Kükenth. in Pflanzenr. 38 (IV, 20): 625 (1909).

C. legendrei Lévl. & Vant. in Rev. Sci. Limousin 1905: 7 (1904) and in Mém. Soc. Nat. Sci. Nat. Math. Cherb. 35: 216 (1905).

C. gendrei Lévl. & Vant. loc. cit. 35: 216 (1905) (sphalm *legendrei*).

FORMOSA. Forêts de Taitum, vers 600m, 17 v 1903, *Faurie* 824 (holo. *C. legendrei*, P).

2255. *Carex tenuinervis* Ohwi in Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 5: 266 (1930) & Cyper. Jap. 1: 363 (1936); Akiyama, Car. Far E. Reg. As. 194

(1955); Ohwi, Fl. Jap. (Engl. ed.) 238 (1965); Ohwi & Kitag., New Fl. Jap. 311 (1983).

C. pseudostrigosa Lévl. & Vant. in Bull. Acad. Géog. Bot. 11: 109 (1902), p.p. excl. *Faurie* 2805; Kükenth. in Pflanzenr. 38 (IV, 20) 475 (1909), pro syn. sub *C. tenuissima* Boott var. *sikokiana* (Franch. & Sav.) Kükenth.

JAPAN. Ile de Kiushu, lieux herbeux près de Hitoyoshi, vi 1900, *Faurie* 4414 (syntype *C. pseudostrigosa*, P).

2256. *Carex tibetica* Franch. in Pl. David. 2: 141 (1888).

C. heudesii Lévl. & Vant. in Bull. Acad. Géog. Bot. 12: 12 (1903); Kükenth. in Pflanzenr. 38 (IV, 20): 626 (1909); Lévl., Cat. Pl. Yunnan t. 14 (1916).

CHINA. Shensi, *P. Heudes* 4999 (holo. *C. heudesii*, P).

INSERTAE SEDIS

2257. *Carex chorda* Lévl. & Vant. in Bull. Soc. Bot. France 53: 316 (1906), in Fedde Rep. Sp. Nov. 3: 352 (1907), in Bull. Acad. Géog. Bot. 20: 50 (1910) & Fl. Kouy-Tchéou 133 (1914); Kükenth. in Pflanzenr. 38 (IV, 20): 642 (1909). CHINA. Guizhou, route de Lo-kang-Long-tsao, xii 1904, *Esquirol* 253 (holo. *C. chorda*, P).

As mentioned by Kükenth (1909), the specimen is immature and can only be said to be allied to *C. tenebrosa* Boott.

2258. *Carex hangtongensis* Lévl. & Vant. in Bull. Soc. Bot. France 53: 316 (1906) & in Fedde Rep. Sp. Nov. 3: 352 (1907); Kükenth. in Pflanzenr. 38 (IV, 20): 642 (1909)—*Planta immatura C. chinensi proxima*.

CHINA. Guizhou, Hang-Tong, La-Gam, 26 i 1905, *Esquirol* 302 (holo. *C. hangtongensis*, P).

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